Componi										
Address:	3118 Cummings Road									
	P.O. Box 399 Garden City, KS 67846									
Contact Geologist: Contact Phone Nbr	Kevin Wiles 620-275-2963									
Well Name:	See C T22C D40W		45 022 24750 0000							
Pool:	Sec. 6 - 1335 - R19W	Field:	Bird South							
State:	Kansas	Country:	USA							
	Scale 1:240 Imp	erial								
Well Name: Surface Location:	Sec. 6 - T33S - R19W									
Bottom Location: API:	15-033-21756-0000									
License Number:	4058 3/25/2014	Time	07:00							
Region:	Comanche	Time.	01.00							
Surface Coordinates:	4/8/2014 2305' FSL & 335' FEL	l ime:	01:50							
Bottom Hole Coordinates: Ground Elevation:	1871.00ft									
K.B. Elevation:	1882.00ft 4100.00ft	To [.]	6400 00ft							
Total Depth:	6400.00ft									
Drilling Fluid Type:	Chemical/Fresh Water Gel									
	SURFACE CO-ORD	INATES								
Well Type:	Vertical									
N/S Co-ord:	2305' FSL	Latitude:								
E/W Co-ord:	335' FEL									
	LOGGED BY	,								
Keith Reavis										
	Consulting Geologist									
	Consulting Geo	logist								
Company:	Consulting Geo Keith Reavis, Inc. 3420 22nd Street	logist								
Company: Address:	<i>Consulting Geo</i> Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530	logist								
Company: Address: Phone Nbr:	<i>Consulting Geo</i> Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091	logist								
Company: Address: Phone Nbr: Logged By:	<i>Consulting Geo</i> Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 KLG #136	logist Name:	Keith Reavis							
Company: Address: Phone Nbr: Logged By:	Consulting Geo Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 KLG #136 CONTRACTO	blogist Name: R	Keith Reavis							
Company: Address: Phone Nbr: Logged By: Contractor: Rig #:	Consulting Geo Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 KLG #136 CONTRACTO Duke Drilling Company 5	blogist Name:	Keith Reavis							
Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date:	Consulting Geo Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 KLG #136 CONTRACTO Duke Drilling Company 5 mud rotary 3/25/2014	Name: R Time:	Keith Reavis							
Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date: TD Date: Rig Release:	Consulting Geo Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 KLG #136 CONTRACTO Duke Drilling Company 5 mud rotary 3/25/2014 4/8/2014	Name: R Time: Time: Time: Time:	Keith Reavis 07:00 01:50							
Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date: TD Date: Rig Release:	Consulting Geo Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 KLG #136 CONTRACTO Duke Drilling Company 5 mud rotary 3/25/2014 4/8/2014	Name: Name: R Time: Time: Time:	Keith Reavis 07:00 01:50							
Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date: TD Date: Rig Release: K.B. Elevation:	Consulting Geo Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 KLG #136 CONTRACTO Duke Drilling Company 5 mud rotary 3/25/2014 4/8/2014 ELEVATIONS	Name: Name: R Time: Time: Time: Time: S Ground Elevation:	Keith Reavis 07:00 01:50 1871.00ft							
Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date: TD Date: Rig Release: K.B. Elevation: K.B. to Ground:	Consulting Geo Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 KLG #136 CONTRACTO Duke Drilling Company 5 mud rotary 3/25/2014 4/8/2014 ELEVATIONS 1882.00ft 11.00ft	Name: Name: R Time: Time: Time: Time: S Ground Elevation:	Keith Reavis 07:00 01:50 1871.00ft							
Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date: TD Date: TD Date: Rig Release: K.B. Elevation: K.B. to Ground:	Consulting Geo Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 KLG #136 CONTRACTO Duke Drilling Company 5 mud rotary 3/25/2014 4/8/2014 ELEVATIONS 1882.00ft 11.00ft	Name: Name: R Time: Time: Time: Time: S Ground Elevation:	Keith Reavis 07:00 01:50 1871.00ft							
Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date: TD Date: TD Date: Rig Release: K.B. Elevation: K.B. to Ground: Evaluation of DST's and electrica logs were ran at RTD of 6200', the Casing was then set into the Arbu	Consulting Geo Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 KLG #136 CONTRACTO Duke Drilling Company 5 mud rotary 3/25/2014 4/8/2014 ELEVATIONS 1882.00ft 11.00ft NOTES I logs indicated that the Wait a e operator elected to deepen to ckle for utilization as a saltwa	R Time: Time: Time: Time: Time: S Ground Elevation: #7 would be comme the well further into ter disposal well.	Keith Reavis 07:00 01:50 1871.00ft ercially non-productive. After electrical the Arbuckle for a total depth of 6400'.							
Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date: TD Date: TD Date: Rig Release: K.B. Elevation: K.B. to Ground: Evaluation of DST's and electrica logs were ran at RTD of 6200', the Casing was then set into the Arbu	Consulting Geo Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 KLG #136 CONTRACTO Duke Drilling Company 5 mud rotary 3/25/2014 4/8/2014 ELEVATIONS 1882.00ft 11.00ft NOTES logs indicated that the Wait as e operator elected to deepen to ckle for utilization as a saltwa	R Time: Time: Time: Time: Time: S Ground Elevation: #7 would be comme the well further into ter disposal well.	Keith Reavis 07:00 01:50 1871.00ft ercially non-productive. After electrical the Arbuckle for a total depth of 6400'. ployed on this well. ROP and gas data							
Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date: TD Date: TD Date: Rig Release: K.B. Elevation: K.B. to Ground: Evaluation of DST's and electrica logs were ran at RTD of 6200', the Casing was then set into the Arbu A Bloodhound gas detection syste were imported from the Bloodhou suite. Electrical log formation top curves were not shifted to provide	Consulting Geo Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 KLG #136 CONTRACTO Duke Drilling Company 5 mud rotary 3/25/2014 4/8/2014 ELEVATIONS 1882.00ft 11.00ft NOTES logs indicated that the Wait a e operator elected to deepen to ckle for utilization as a saltwa om operated by Bluestem Envind into this report. Gamma ra s were consistently around 5 f an exact match, but rather, la	Name: Name: R Time: Time: Time: Time: Time: S Ground Elevation: #7 would be comment the well further into the well further into the vell further into the disposal well. ironmental was emplay and caliper curve ft. high to formation eft as recorded in th	Keith Reavis 07:00 01:50 1871.00ft ercially non-productive. After electrical the Arbuckle for a total depth of 6400'. ployed on this well. ROP and gas data as were imported from the electrical log tops picked from drill time. These he field.							
Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date: TD Date: TD Date: Rig Release: K.B. Elevation: K.B. to Ground: Evaluation of DST's and electrica logs were ran at RTD of 6200', the Casing was then set into the Arbu A Bloodhound gas detection syste were imported from the Bloodhou suite. Electrical log formation top curves were not shifted to provide The samples were saved and will in Wichita, KS.	Consulting Geo Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 KLG #136 CONTRACTO Duke Drilling Company 5 mud rotary 3/25/2014 4/8/2014 ELEVATIONS 1882.00ft 11.00ft NOTES I logs indicated that the Wait a e operator elected to deepen to ckle for utilization as a saltwa em operated by Bluestem Envind into this report. Gamma ra s were consistently around 5 fe an exact match, but rather, In- be available for review at the	R Time: Time: Time: Time: Time: Time: S Ground Elevation: #7 would be comme the well further into ter disposal well. fironmental was emp ay and caliper curve ft. high to formation eft as recorded in th Kansas Geological	Keith Reavis 07:00 01:50 1871.00ft recially non-productive. After electrical the Arbuckle for a total depth of 6400'. ployed on this well. ROP and gas data as were imported from the electrical log tops picked from drill time. These he field. Survey Well Sample Library located							

American Warrior

DATE	7:00 AM DEPTH	REMARKS
03/29/2014		Geologist Keith Reavis on location @ 1810 hrs, 3698 ft, drilling ahead reset extractor, shale shaker to sample box
03/30/2014	4117	drilling ahead, Lecompton, Heebner, Toronto, Douglas, Lansing
03/31/2014	4656	drilling ahead, Lansing, Marmaton, show and gas kick warrants test
04/01/2014	4900	short trip, TOH w/bit, in with tools, conducting DST #1, complete DST #1, successful test, TIH w/bit, resume drilling, Pawnee
04/02/2014	4950	show in Pawnee warrants test, TOH w/bit, in w/tools, conducting DST #2 successful test, TIH w/bit, resume drilling, Ft. Scott, Cherokee, Miss
04/03/2014	5155	drilling Mississippian, Cowley Facies
04/04/2014	5569	drilling ahead, Cowley, Kinderhook
04/05/2014	5877	drilling Kinderhook, Viola, show and gas kick in Viola warrants test, short trip, TOH w/bit, in with tools, conduct DST #3, successful test TIH w/bit
04/06/2014	5943	back on bottom, resume drilling, Viola, Simpson, Arbuckle
04/07/2014	6201	TD @ 6201 ft., 0110 hrs, ctch, TOH for logs, conduct logging operations complete logging operation, TIH w/bit, resume drilling Arbuckle for disposal
04/08/2014	6400	Second TD 6400 ft @ 0150 hrs, geologist off location 0300 hrs

American Warrior well comparison sheet

		DRILLING	WELL		COMPARISON WELL				COMPARISON WELL						
	Ar	n. Warrior	- Wait	#7	Am. Warrior - Wait #6x				Corsair - Jellison A 1-5						
	2	305' FSL &	335' FI	EL	1800' FSL & 330' FEL Sec. 6 - T33S - R19W				1980' and 540' FWL						
	S	ec. 6 - T3	35 - R19	ЭW					Sec. 5 - T33S - R19W						
			Structural						Structural Relationship						
	1882 KB				1887 KB Relationship			onship			1887	KB			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log			
Base Heebner	4155	-2273	4150	-2268	4155	-2268	-5	0	4153	-2266	-7	-2			
Douglas	4208	-2326	4203	-2321	4207	-2320	-6	-1	4202	-2315	-11	-6			
Lansing	4346	-2464	4341	-2459	4344	-2457	-7	-2	4340	-2453	-11	-6			
Muncie Creek	4549	-2667	4544	-2662	4547	-2660	-7	-2	4542	-2655	-12	-7			
Stark Shale	4679	-2797	4684	-2802	4675	-2788	-9	-14	4670	-2783	-14	-19			
Pawnee	4926	-3044	4921	-3039	4920	-3033	-11	-6	4923	-3036	-8	-3			
Cherokee	4969	-3087	4966	-3084	4967	-3080	-7	-4	4969	-3082	-5	-2			
Mississippian	5057	-3175	5053	-3171	5057	-3170	-5	-1	5057	-3170	-5	-1			
Cowley Facies	5413	-3531	5422	-3540	5426	-3539	8	-1	5416	-3529	-2	-11			
Kinderhook	5762	-3880	5758	-3876	5756	-3869	-11	-7	5738	-3851	-29	-25			
Viola	5851	-3969	5848	-3966	5850	-3963	-6	-3	5832	-3945	-24	-21			
Simpson Shale	6106	-4224	6102	-4220	np				6098	-4211	-13	-9			
Simpson Sand	6155	-4273	6151	-4269	np				6157	-4270	-3	1			
Arbuckle	6161	-4279	6160	-4278	np				6170	-4283	4	5			
Total Depth	6400	-4518	6198	-4316	5914	-4027	-491	-289	6249	-4362	-156	46			

	DRILL STEM TEST REPORT						
	American Warrior Inc.	6-33s-19w Comanche Co., KS					
ESTING, INC.	3118 Cummings Rd.	Wait 7					
	Garden Oty, KS 67846	Job Ticket: 52488 DST#:1					
	ATTN: Keith Reavis	Test Start: 2014.04.01 @ 06:57:26					
GENERAL INFORMATION.							
Formation: Altamont Deviated: No Whipstock: Time Tool Opened: 09:40:26 Time Test Ended: 15:53:11	0.00 ft (KB)	Test Type: Conventional Bottom Hole (Initial) Tester: Ryan Reynolds Unit No: 68					
Formation: Altamont Deviated: No Whipstock: Time Tool Opened: 09:40:26 Time Test Ended: 15:53:11 Interval: 4854.00 ft (KB) To 49 Total Depth: 4900.00 ft (KB) (Th	0.00 ft (KB) 100.00 ft (KB) (TVD) /D)	Test Type: Conventional Bottom Hole (Initial) Tester: Ryan Reynolds Unit No: 68 Reference Elevations: 1882.00 ft (KB) 1871.00 ft (CF)					



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	Drill Ster	m Test #2						
	DRILL STEM TE	ST REP	ORT					
(USD) TRILUBITE	American Warrior Inc.	6-33s-19w Comanche Co., KS						
ESTING , INC	3118 Cummings Rd. Garden City, KS 67846		Wait 7					
	ATTN: Keith Reavis	Job Ticket: 52489 DS1#:2 Test Start: 2014.04.02 @ 03:20:09						
GENERAL INFORMATION:								
Formation: Pawnee Deviated: No Whipstock: Time Tool Opened: 06:00:39 Time Test Ended: 12:18:54	0.00 ft (KB)		Tes Tes Unit	t Type: 0 ter: F No: 6	Con∨er Ryan R 58	ntional Bottom H Reynolds	Hole (Reset)	
Interval: 4912.00 ft (KB) To 49 Total Depth: 4950.00 ft (KB) (The matching of the matching of th	9 50.00 ft (KB) (TVD) /D) e Condition: Fair		Ref	erence ⊟e KB ti	vation	s: 1882.0 1871.0 CF: 11.0	00 ft(KB) 00 ft(CF) 00 ft	
	and and any of the second			030000000		S.R. S.R. S.R. S.R. S.P.	Constant Constant	
Press@RunDepth: 33.67 psig	@ 4913.00 ft (KB) End Date:	2014.04.02	Capacity Last Cali Time On	: b.: Btm: 2	2014.0	8000.0 2014.04.0 4 02 @ 05:57:2	00 psig 02 24	
Start Date: 2014.04.02 Start Time: 03:20:14 TEST COMMENT: IF: Strong blow . ISI: No blow FF: Strong blow FSI: NO blow	End Time: BOB @ 8 min. . BOB immed. GTS @ 42 min.	12.10.54	Time Off	Btm: 2	2014.0	4.02 @ 09:15:5	54	
Start Date: 2014.04.02 Start Time: 03:20:14 TEST COMMENT: IF: Strong blow ISI: No blow ISI: No blow FF: Strong blow FSI: NO blow	End Time: BOB @ 8 min. . BOB immed. GTS @ 42 min.	12.10.54	Time Off	Btm: 2	2014.0	4.02 @ 09:15:5	54	
Start Date: 2014.04.02 Start Time: 03:20:14 TEST COMMENT: IF: Strong blow . ISI: No blow FF: Strong blow FSI: NO blow Pressure vs. ? Pressure vs. ?	End Time: BOB @ 8 min. . BOB immed. GTS @ 42 min.	Time	Time Off PI Pressure (rsin)	Btm: 2 RESSUR Temp	2014.0 RE SU Ann	4.02 @ 09:15:5		
Start Date: 2014.04.02 Start Time: 03:20:14 TEST COMMENT: IF: Strong blow . ISI: No blow FF: Strong blow FSI: NO blow Pressure vs. 7 Pressure vs. 7 200	End Time: BOB @ 8 min. . BOB immed. GTS @ 42 min.	Time (Min.) 0 4	Time Off Pressure (psig) 2551.74 19.90	Btm: 2 RESSUR Temp (deg F) 108.54 110.39	ESL Ann Initial Open	4.02 @ 09:15:5 JMMARY Indation Hydro-static To Flow (1)		
Start Date: 2014.04.02 Start Time: 03:20:14 TEST COMMENT: IF: Strong blow . ISI: No blow FF: Strong blow FSI: NO blow Pressure vs. 7 200 200 200 200 200 200 200 20	End Time: BOB @ 8 min. BOB immed. GTS @ 42 min.	Time (Min.) 4 31 76	Time Off Pressure (psig) 2551.74 19.90 25.18 1380.57	Btm: 2 RESSUR Temp (deg F) 108.54 110.39 113.34 114.20	E SL Ann Initial Open Shut- End S	4.02 @ 09:15:5 JMMARY notation Hydro-static To Flow (1) In(1) Shut-In(1)		
Start Date: 2014.04.02 Start Time: 03:20:14 TEST COMMENT: IF: Strong blow . ISI: No blow FF: Strong blow FSI: NO blow Pressure vs. 7 Pressure vs. 7 200 200 200 200 200 200 200 20	End Time: BOB @ 8 min. . BOB immed. GTS @ 42 min.	Time (Min.) 0 4 31 76 78	Time Off Pressure (psig) 2551.74 19.90 25.18 1380.57 24.30	Btm: 2 RESSUR Temp (deg F) 108.54 110.39 113.34 114.20 114.97	E SL Ann Initial Open Shut- End S Open	4.02 @ 09:15:5 JMMARY indation Hydro-static To Flow (1) In(1) Shut-In(1) To Flow (2)		
Start Date: 2014.04.02 Start Time: 03:20:14 TEST COMMENT: IF: Strong blow . ISI: No blow FF: Strong blow FSI: NO blow Pressure vs. ? Pressure vs. ?	End Time: BOB @ 8 min. . BOB immed. GTS @ 42 min.	Time (Min.) 0 4 31 76 78 137 198	Time Off Pressure (psig) 2551.74 19.90 25.18 1380.57 24.30 33.67 1398.83	Btm: 2 RESSUR Temp (deg F) 108.54 110.39 113.34 114.20 114.97 116.71 117.44	E SU Ann Initial Open Shut- End S Open Shut- End S	4.02 @ 09:15:5 JMMARY rotation Hydro-static To Flow (1) In(1) Shut-In(1) To Flow (2) In(2) Shut-In(2)		
Start Date: 2014.04.02 Start Time: 03:20:14 TEST COMMENT: IF: Strong blow . ISI: No blow FF: Strong blow FSI: NO blow Pressure vs. 7 DDD Pressure vs. 7 DDD Pr	End Time: BOB @ 8 min. BOB immed. GTS @ 42 min.	Time (Min.) 0 4 31 76 78 137 198 199	Time Off Pressure (psig) 2551.74 19.90 25.18 1380.57 24.30 33.67 1398.83 2402.13	Btm: 2 RESSUR Temp (deg F) 108.54 110.39 113.34 114.20 114.97 116.71 117.44 118.87	2014.0 RESL Ann Initial Open Shut- End S Open Shut- End S Final	4.02 @ 09:15:5 JMMARY notation Hydro-static To Flow (1) In(1) Shut-In(1) To Flow (2) In(2) Shut-In(2) Hydro-static		
Start Date: 2014.04.02 Start Time: 03:20:14 TEST COMMENT: IF: Strong blow. ISI: No blow FF: Strong blow FSI: NO blow Pressure vs. 7 Pressure vs. 7 TrepRay TrepRay TrepRay TrepRay	End Time: BOB @ 8 min. BOB immed. GTS @ 42 min.	Time (Mn.) 0 4 31 76 78 137 198 199	Time Off Pressure (psig) 2551.74 19.90 25.18 1380.57 24.30 33.67 1398.83 2402.13	Btm: 2 RESSUR Temp (deg F) 108.54 110.39 113.34 114.20 114.97 116.71 117.44 118.87 Gas	E SU Ann Initial Open Shut- End S Open Shut- End S Final	4.02 @ 09:15:5 JMMARY rotation Hydro-static To Flow (1) In(1) Shut-In(1) To Flow (2) In(2) Shut-In(2) Hydro-static		
Start Date: 2014.04.02 Start Time: 03:20:14 TEST COMMENT: IF: Strong blow . ISI: No blow FF: Strong blow FSI: NO blow Pressure vs. 1 Pressure vs. 1 Templane Templane Templane Templane Templane Templane Templane Templane Templane Templane Templane	End Time: BOB @ 8 min. BOB immed. GTS @ 42 min.	Time (Min.) 0 4 31 76 78 137 198 199	Time Off Pressure (psig) 2551.74 19.90 25.18 1380.57 24.30 33.67 1398.83 2402.13	Btm: 2 RESSUR Temp (deg F) 108.54 110.39 113.34 114.20 114.97 116.71 117.44 118.87 118.87 Gas Gas	E SL Ann Initial Open Shut- End S Open Shut- End S Final	4.02 @ 09:15:5 JMMARY Indation Hydro-static To Flow (1) In(1) Shut-In(1) To Flow (2) In(2) Shut-In(2) Hydro-static es Pressure (psig)	Gas Rate (Mcf/d)	
Start Date: 2014.04.02 Start Time: 03:20:14 TEST COMMENT: IF: Strong blow . ISI: No blow FSI: NO blow Pressure vs. 7 Pressure vs. 7 Pre	End Time: BOB @ 8 min. . BOB immed. GTS @ 42 min.	Time (Min.) 0 4 31 76 78 137 198 199	Time Off Pressure (psig) 2551.74 19.90 25.18 1380.57 24.30 33.67 1398.83 2402.13 2402.13	Btm: 2 RESSUR Temp (deg F) 108.54 110.39 113.34 114.20 114.97 116.71 117.44 118.87 Gas Choke (in	E SL Ann Initial Open Shut- End S Open Shut- End S Final	4.02 @ 09:15:5 JMMARY rotation Hydro-static To Flow (1) In(1) Shut-In(1) To Flow (2) In(2) Shut-In(2) Hydro-static es Pressure (psig) 4.00	Gas Rate (Mcf/d)	
Start Date: 2014.04.02 Start Time: 03:20:14 TEST COMMENT: IF: Strong blow . ISI: No blow FF: Strong blow FSI: NO blow Pressure vs. 7	End Time: BOB @ 8 min. . BOB immed. GTS @ 42 min.	Time (Min.) 0 4 31 76 78 137 198 199	Time Off Pressure (psig) 2551.74 19.90 25.18 1380.57 24.30 33.67 1398.83 2402.13 2402.13 s Rate s Rate	Btm: 2 RESSUR Temp (deg F) 108.54 110.39 113.34 114.20 114.97 116.71 117.44 118.87 Gas Choke (ii Choke (ii	E SL Ann Initial Open Shut- End S Open Shut- End S Final	4.02 @ 09:15:5 JMMARY notation Hydro-static To Flow (1) In(1) Shut-In(1) To Flow (2) In(2) Shut-In(2) Hydro-static es Pressure (psig) 4.00 7.00	Gas Rate (Mct/d) - 2.63	

	Drill Stem Tes	t #3	
	DRILL STEM TEST F	REPORT	
HILUBITE	American Warrior Inc.	6-33s-19w Comanch	e Co., KS
ESTING , IN	3118 Cummings Rd.	Wait 7	
	Garden City, KS 67846	Job Ticket: 52490	DST#:3
	ATTN: Keith Reavis	Test Start: 2014.04.05 @	10:45:35
GENERAL INFORMATION:			
Formation: Viola			



						Printed by GEOstrip VC Striple	og v	ersion	1 4.0 .	.7.0 (ww	w.grsi.ca
Curve Track #1									TG,	C1 - C5	
ROP (min/ft)							Тс	otal Gas	s (unit	ts)	
Gamma (API)		vals					C	1 (units))		
Cal (in)		nter					C	2 (units))		
		th		logy	No		C	3 (units))		
		Depi	DST	Litho	0 IIO	Geological Descriptions	C2	4 (units))		
1:240 Imperial		Cored Interval DST Interval							1.24	0 Imperial	
0 ROP (min/ft)	1 10	4000			Н		0	Т	otal (Gas (unit	s) 200
0 Gamma (API)	150	-				abole veriable grouwith red some eithe	0			(units)	200
6 Cal (in)	16	-				shale, variable gray with red, some sity	0			(units)	200
	$\langle \rangle$	-					0		C 4	(units)	200
	\triangleright	-			1					4100	hogin -
		-								20 ft	wet and —
		-							╞╋┼┼	dry sa	amples —
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						limentance dark arow dense feesiliferous, gronoscous, no showe with					
		4120				shalos as abovo			₩+		
		-				Silaies as above			+++		
		-							2	-Mud C	Mud obk
		-					\vdash	\vdash	+	@ 417	9 ft
The second		-					\square			0930 h	rs. 3/30/14
						shale, black carbonaceous					Wt. 8.9
		-						\vdash		PV 18 `	YP 20
		4440					1 1	(I '	N L	10/1 0 0	



F

F

F

F

F





shale black carbonaceous





limestone as above, more dolomitic, some altered fossiliferous and

limestone, dolomitic, light gray, cryptocrystalline, fossiliferous to oolitic, limestone, very chalky white to light gray and cream, fossilifeorus to oolitic, some gray sub-sucrosic dolomite, abundant chalk, no shows,



as above

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as above, traces glaucontic dolomite, gray to green, weathered, slightly pyritic, some weathered gray fossiliferous cherts, flood chalk, no shows

Cowley Facies 5413 -3531

5430 sample, dolomite to dolomitic limestone, gray/green, mottled, altered fossiliferous, glauconitic, pyritic in part, with dolomite, gray to cream, microcrystalline, sub-sucrosic, chert, gray fossiliferous, chalky cream fossiliferous limestones, no shows,

gray/green dolomite facies a.a., chert as above, with dolomite, gray, microcrystalline, arenaceous, gritty, dense, some dark gray argillaceous shale, gritty, calcareous

as above

as above, some large quartz shards, fractured

dolomites as above with flood gray and black shales (sluff?), pyrite nodules, cherts dropping out

shales and pyrite as above, gritty arenaceous dolomites as above, glauconitic facies dropping out





Ē American Warrior Wait 7 dst 3.p

Viola 5851 -3969

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dolomite, light gray to light brown, microcrystalline, sub-rhombic to subsucrosic, very light brown stain, slight show free oil with sheen, chert, boney white to tan, few pieces weathered/fossiliferous, light stain, excellent bright green fluoresence both dolomite and chert, good odor in wet cup, slow light cut

dolomite, light gray to cream, microcrystalline, mostly sub-rhombic with trace rhombic and scattered inter-xln porosity, some arenaceous, dense, some pyritic, no shows

deviation survey 4.2 deg

dolomite, grading to gray to dark gray, microcrystalline, gritty arenaceous, dense, with dolomite a.a., no shows

mostly gray arenaceous dolomite as above, with influx chert, gray to dark gray, mottled, fossiliferous, sharp, fresh, no shows

dolomite, gray to tan, microcrystalline, dirty arenaceous, some secondary crystals, some brown cryptocrystalline, fossiliferous, with chert aray to tap and brown fossiliferous sharp fresh no shows





